

AMENDMENT TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-3 (canceled)

Claim 4 (original): A method for encoding a motion video signal, the method comprising:

initializing an accumulated bandwidth record;

encoding a first frame of the motion video signal to form an encoded frame;

determining a consumed bandwidth of the encoded frame;

adjusting the accumulated bandwidth record according to the consumed bandwidth;

comparing the accumulated bandwidth record to a desired range of acceptable accumulated bandwidth;

adjusting a quantization parameter such that encoding subsequent frames of the motion video signal according to the quantization parameter as adjusted consumes bandwidth in a manner which compensates for a deviation from the desired range of acceptable bandwidth by the accumulated bandwidth record; and

encoding a second frame of the motion video signal according to the quantization parameter as adjusted.

1 Claim 5 (original): The method of Claim 4 wherein the step of
2 adjusting the accumulated bandwidth record comprises:
3 adding to the accumulative bandwidth record an amount of available
4 bandwidth between the first frame and a preceding frame; and
5 subtracting from the accumulative bandwidth record an amount of
6 bandwidth consumed by the encoded frame.

7
8 Claim 6 (original): The method of Claim 4 wherein the second
9 frame is subsequent to the first frame the motion video signal.

10
11 Claim 7 (original): The method of Claim 4 wherein the step of
12 adjusting the quantization parameter comprises:
13 determining that the accumulated bandwidth record represents
14 accumulated bandwidth in excess of the desired range; and
15 decreasing the quantization parameter to increase bandwidth
16 consumed by encoding of subsequent frames of the motion video signal.

17
18 Claim 8 (original): The method of Claim 4 wherein the step of
19 adjusting the quantization parameter comprises:
20 determining that the accumulated bandwidth record represents
21 accumulated bandwidth which is below the desired range; and
22 increasing the quantization parameter to decrease bandwidth
23 consumed by encoding of subsequent frames of the motion video signal.

24
25 Claims 9-18 (canceled)

1 Claim 19 (original): A computer readable medium useful in association
2 with a computer which includes a processor and a memory, the computer readable
3 medium including computer instructions which are configured to cause the
4 computer to perform the steps of:

5 initializing an accumulated bandwidth record;
6 encoding a first frame of the motion video signal to form an encoded frame;
7 determining a consumed bandwidth of the encoded frame;
8 adjusting the accumulated bandwidth record according to the consumed
9 bandwidth;
10 comparing the accumulated bandwidth record to a desired range of
11 acceptable accumulated bandwidth;
12 adjusting a quantization parameter such that encoding subsequent frames of
13 the motion video signal according to the quantization parameter as adjusted
14 consumes bandwidth in a manner which compensates for a deviation from the
15 desired range of acceptable bandwidth by the accumulated bandwidth record; and
16 encoding a second frame of the motion video signal according to the
17 quantization parameter as adjusted.

18
19 Claim 20 (original): The computer readable medium of Claim 19 wherein
20 the step of adjusting the accumulated bandwidth record comprises:

21 adding to the accumulative bandwidth record an amount of available
22 bandwidth between the first frame and a preceding frame; and
23 subtracting from the accumulative bandwidth record an amount of
24 bandwidth consumed by the encoded frame.
25

1 Claim 21 (original): The computer readable medium of Claim 19 wherein
2 the second frame is subsequent to the first frame in the motion video signal.

3
4 Claim 22 (original): The computer readable medium of Claim 19 wherein
5 the step of adjusting the quantization parameter comprises:

6 determining that the accumulated bandwidth record represents accumulated
7 bandwidth in excess of the desired range; and

8 decreasing the quantization parameter to increase bandwidth consumed by
9 encoding Of subsequent frames of the motion video signal.

10
11 Claim 23 (original): The computer readable medium of Claim 19 wherein
12 the step of adjusting the quantization parameter comprises:

13 determining that the accumulated bandwidth record represents accumulated
14 bandwidth which is below the desired range; and

15 increasing the quantization parameter to decrease bandwidth consumed by
16 encoding of subsequent frames of the motion video signal.

17
18 Claims 24-33 (canceled)

1 Claim 34 (original): A computer system comprising:
2 a processor;
3 a memory operatively coupled to the processor; and
4 a motion video signal encoder which executes in the processor from the
5 memory and which, when executed by the processor, performs the steps of:
6 initializing an accumulated bandwidth record;
7 encoding a first frame of the motion video signal to form an encoded
8 determining a consumed bandwidth of the encoded frame;
9 adjusting the accumulated bandwidth record according to the
10 consumed bandwidth;
11 comparing the accumulated bandwidth record to a desired range of
12 acceptable accumulated bandwidth;
13 adjusting a quantization parameter such that encoding subsequent
14 frames of the motion video signal according to the quantization parameter
15 as adjusted consumes bandwidth in a manner which compensates for a
16 deviation from the desired range of acceptable bandwidth by the
17 accumulated bandwidth record; and
18 encoding a second frame of the motion video signal according to the
19 quantization parameter as adjusted.

20
21 Claim 35 (original): The computer system of Claim 34 wherein the step of
22 adjusting the accumulated bandwidth record comprises:
23 adding to the accumulative bandwidth record an amount of available
24 bandwidth between the first frame and a preceding frame; and
25 subtracting from the accumulative bandwidth record an amount of

1 bandwidth consumed by the encoded frame.

2
3 Claim 36 (original): The computer system of Claim 34 wherein the second
4 frame is subsequent to the first frame in the motion video signal.

5
6 Claim 37 (original): The computer system of Claim 34 wherein the step of
7 adjusting the quantization parameter comprises:

8 determining that the accumulated bandwidth record represents
9 accumulated bandwidth in excess of the desired range; and
10 decreasing the quantization parameter to increase bandwidth
11 consumed by encoding of subsequent frames of the motion video signal.

12
13 Claim 38 (original): The computer system of Claim 34 wherein the step of
14 adjusting the quantization parameter comprises:

15 determining that the accumulated bandwidth record represents
16 accumulated bandwidth which is below the desired range; and
17 increasing the quantization parameter to decrease bandwidth
18 consumed by encoding of subsequent frames of the motion video signal.

19
20 Claims 39-45 (canceled)

21
22 Claim 46 (new): A computer readable medium comprising instructions
23 which, when executed by a computer, performs the method of Claim 4.